

## A Fine Model Tractor and Trailer

Designing and building a really detailed and accurate model vehicle can be a fascinating job if it is tackled in the very thorough way adopted by Mr. Stewart Reid of Aberdeen. Mr. Reid has built many fine models of various kinds in his career as a Meccano enthusiast, and one of his latest and best, or perhaps I should say, two of his latest and best, are the attractive reproductions of a Scammell

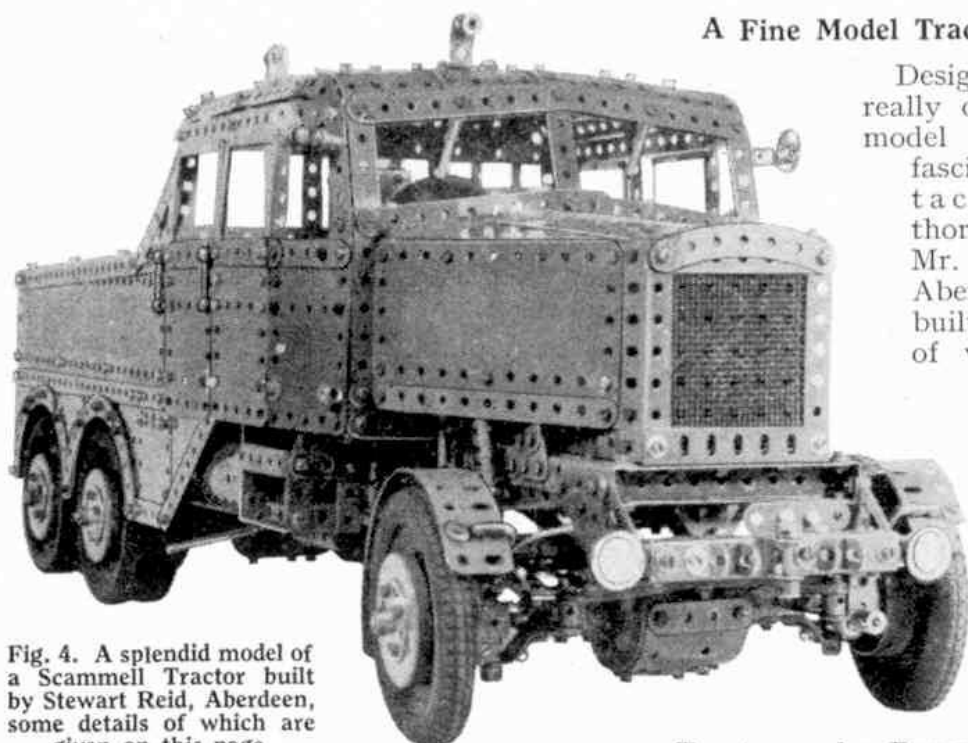


Fig. 4. A splendid model of a Scammell Tractor built by Stewart Reid, Aberdeen, some details of which are given on this page.

Coupling 5 is made to turn with the output shaft by Key Bolts screwed into the male sections of the Dog Clutches. The Fishplate 3 engages the groove of Socket Coupling 4 and a Rod 7 similarly engages the Socket Coupling 6. The Fishplate 3 and Rod 7 prevent the Socket Couplings 4 and 6 from sliding along the output shaft.

The Worm Gear on the input shaft drives a 57-tooth Gear on a Rod mounted in the Double Angle Strip 1. The Rod carries a Triple Throw Eccentric extended by a  $1\frac{1}{2}$ " Strip. A  $\frac{3}{8}$ " Bolt is passed through the Strip and is fixed by a nut in a Threaded Coupling 8, which is locked on a  $4\frac{1}{2}$ " Rod. The Rod carries a Coupling 9, mounted freely between Compression Springs. One of the Compression Springs bears against the Threaded Coupling 8 and the other presses against a Collar fixed on the  $4\frac{1}{2}$ " Rod. Two 1" Rods held in the Coupling 9 are located in the groove of Socket Coupling 5.

The mechanism is adaptable to many types of models.

Tractor and a Dyson Trailer shown in the two illustrations on this page.

Before commencing construction of these detailed models, Mr. Reid searched through transport magazines and other publications to get his data and details accurate, and spent quite a lot of time examining the actual vehicles on such odd occasions as fell to him. With the knowledge gathered in these ways, coupled with his expert knowledge of the use of Meccano parts, he was able to produce very fascinating miniatures. Unfortunately, I am unable to show the whole of the Dyson Trailer, but a picture of its rear end and bogie is reproduced below.

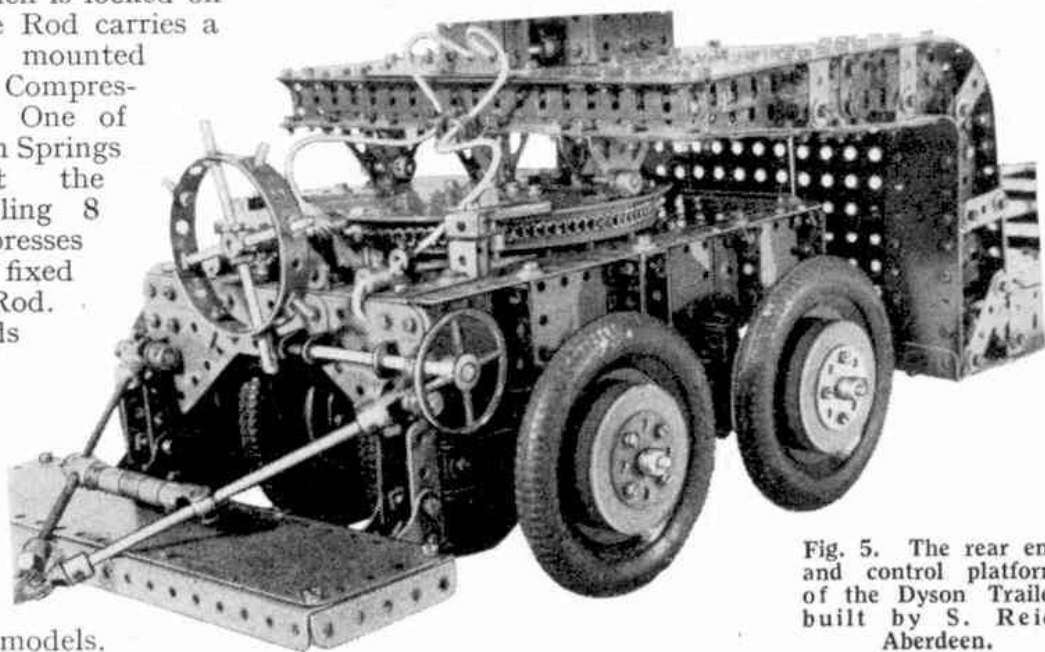


Fig. 5. The rear end and control platform of the Dyson Trailer built by S. Reid, Aberdeen.